

Converting Colors

$Y_{xy}(57.5042, 0.2214, 0.3021)$

Have a look what the booklet for
Yxy(57.5042, 0.2214, 0.3021)
contains.

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Color

Yxy(57.5234, 0.2215, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	30DBEF
RGB	48, 219, 239
RGB Percent	19%, 86%, 94%
CMY	0.8116, 0.1412, 0.0626
CMYK	0.80, 0.08, 0.00, 0.06
HSL	186°, 86%, 56%
HSV	186°, 80%, 94%
XYZ	42.1344, 57.5234, 90.5651
YIQ	170.1510, -108.3360, -30.0320

Conversions

Conversions Part 2

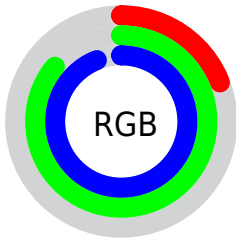
Format	Color
R _Y B	48, 138, 239
Decimal	3202031
CIE Lab	80.47, -34.59, -21.76
CIE LCh	80, 40.862, 212.170
Yxy	57.5234, 0.2215, 0.3024
Android (android.graphics.Color)	4281392111 (0xFF30DBEF)
YUV	170.1510, 33.9426, -107.1264
Hunter-Lab	75.8442, -33.5637, -17.7069




Details

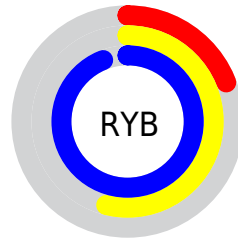
The Yxy color **57.5234, 0.2215, 0.3024** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **22.7118, 0.5781, 0.3436**, and the grayscale version is **40.1525, 0.3127, 0.3290**.




A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **29.6133, 0.2151, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **55.7939, 0.2176, 0.2988**, and if you desaturate by 10%, it is **59.5895, 0.2273, 0.3061**.

Distribution







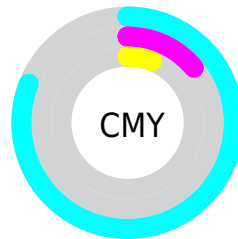
-  Red (19%)
-  Green (86%)
-  Blue (94%)






-  Red (19%)
-  Yellow (54%)
-  Blue (94%)



-  Cyan (80%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (6%)




-  Cyan (81%)
-  Magenta (14%)
-  Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5234, 0.2215, 0.3024 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 57.5234, 0.2215, 0.3024 by changing the saturation by 10% instead.


 57.5234, 0.2215,
0.3024

 57.5234, 0.2215,
0.3024


415.4077, 0.2638,
0.3166


 41.4256, 0.2120,
0.2987


 101.2285, 0.2361,
0.3077


 28.6518, 0.2003,
0.2938


 129.6046, 0.2418,
0.3097

 18.8176, 0.1857,
0.2873


 162.8422, 0.2467,
0.3113

 11.5385, 0.1670,
0.2782

 201.3258, 0.2510,
0.3127

 6.4303, 0.1425,
0.2648

245.4398, 0.2548,
0.3139

 3.1084, 0.1098,
0.2435

295.5685, 0.2581,

 1.1886, 0.0459,

0.3149

0.2117

352.0963, 0.2611,
0.3158

0.0524, 0.0000,
0.0296

0.0000, 0.0000,
0.0000

57.5234, 0.2215,
0.3024

57.5234, 0.2215,
0.3024

55.7939, 0.2176,
0.2988

59.5895, 0.2273,
0.3061


54.3210, 0.2153,
0.2952

62.0300, 0.2350,
0.3098


54.3072, 0.2153,
0.2951


64.8842, 0.2445,
0.3134

68.1845, 0.2558,
0.3169

 71.9600, 0.2686,
0.3202

 76.2373, 0.2826,
0.3234

 81.0410, 0.2974,
0.3263

 86.3939, 0.3129,
0.3290

 90.7363, 0.3231,
0.3315

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.5234, 0.2475, 0.3550



57.5234, 0.2215, 0.3024



57.5234, 0.2179, 0.2639

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.5234, 0.2215, 0.3024



57.5234, 0.3273, 0.2682



57.5234, 0.3904, 0.4154

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57.5234, 0.2215, 0.3024



22.7118, 0.5781, 0.3436

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.5234, 0.4167, 0.3832



57.5234, 0.2215, 0.3024



57.5234, 0.3794, 0.3014

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.5234, 0.2215, 0.3024



57.5234, 0.2751, 0.2483



57.5234, 0.4133, 0.3421



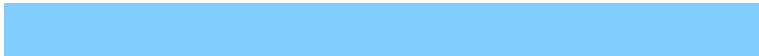
57.5234, 0.3442, 0.4255

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.5234, 0.2215, 0.3024



57.5234, 0.2279, 0.2496



57.5234, 0.4133, 0.3421



57.5234, 0.4020, 0.4064

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57.5255, 0.2215, 0.3024



86.1560, 0.2766, 0.3221



62.7861, 0.2967, 0.5626



18.0663, 0.2717, 0.3210



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.5255, 0.2215, 0.3024



63.5056, 0.2161, 0.2965



21.3872, 0.1851, 0.1645



17.6291, 0.2981, 0.3264



30.1186, 0.2155, 0.2957



2.5863, 0.2168, 0.3005

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.5871, 0.3425, 0.1772



27.1569, 0.3485, 0.1704



44.6334, 0.4791, 0.4349



16.0012, 0.3154, 0.3081



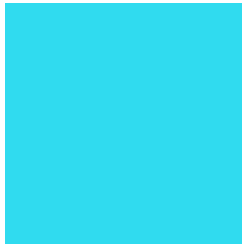
12.8338, 0.3492, 0.1697



1.0758, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 57.5234, 0.2215, 0.3024 looks on a white background.

Color Contrast Check

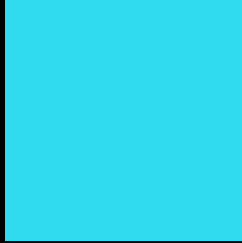
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 57.5234, 0.2215, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

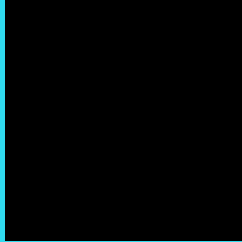
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.5234, 0.2215, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 57.5234, 0.2215, 0.3024.



This preview shows how white text looks on a background with the Yxy color 57.5234, 0.2215, 0.3024.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

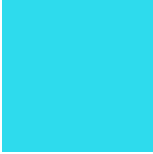
57.5234, 0.2215, 0.3024

Protanopia

56.3310, 0.2914, 0.2961

Deuteranopia

56.6455, 0.2777, 0.2711



Tritanopia

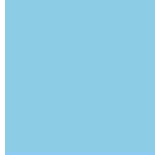
57.3583, 0.2219, 0.3049

Trichromacy



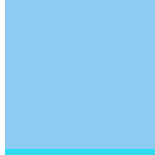
Original Color

57.5234, 0.2215, 0.3024



Protanomaly

54.5056, 0.2547, 0.2972



Deuteranomaly

54.8457, 0.2473, 0.2796



Tritanomaly

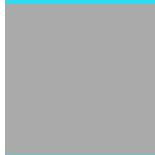
57.4404, 0.2217, 0.3037

Monochromacy



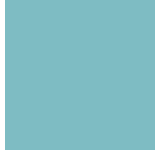
Original Color

57.5234, 0.2215, 0.3024



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.3422, 0.2621, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5234, 0.2215, 0.3024 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(48, 219, 239)` looks like.

```
.text, #text, p{  
    color:rgb(48, 219, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(48, 219, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 219, 239) }
```

Border

The CSS property to change the border of an element to Yxy 57.5234, 0.2215, 0.3024 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 219, 239) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(48, 219, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(48, 219, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 219, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 219, 239);  
box-shadow:4px 4px 4px 4px rgb(48, 219,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 57.5234, 0.2215, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 219, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(48, 219,  
239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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